

Project Title: Abert Water Plant – Filter Renovation
Project Manager(s): Tim Mitchell

Description:

Complete renovation of the four, multi-layered finished water filters at the Abert Water Plant.

Timetable:

FY03Q2: Design
 FY04Q1: Construction

Location:

Abert Water Filter Plant

Status of Project Site:

City Owned

Operating Budget Impact (Overall operating expenses and projected staffing requirements):

none

<i>FY 2003-2008 Program Period Funding:</i>	<i>Funding Outside of Program Period</i>		<i>Total Accumulated Project Cost:</i>
	<u>Prior:</u>	<u>Beyond:</u>	
	0	0	\$2,000,000

Six Year Proposed Funding to be Financed by the City

<i>Activity Name</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>	<i>FY 2007</i>	<i>FY 2008</i>	<i>Program Period Estimate</i>
Design	\$200,000						\$200,000
Construction		\$1,800,000					\$1,800,000
Totals	\$200,000	\$1,800,000					\$2,000,000

Sources of Funding/Cash Needs

<i>Sources of Funding</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>	<i>FY 2007</i>	<i>FY 2008</i>	<i>Total Funding</i>
<i>G. O Bond</i>	\$100,000	\$1,000,000	\$900,000				\$2,000,000
<i>Pay-As-You-Go</i>							
<i>Other</i>							
Totals	\$100,000	\$1,000,000	\$900,000				\$2,000,000

Sources of Program Funding FY 2003-2008

Local: 100%

State/Federal:

Project Title: Alternate Disinfection Process
Project Manager(s): Tim Mitchell

Description:

Installation of a Liquid Sodium Hypochlorite system as an alternate disinfection process at the College Hill Water Plant. Liquid Sodium Hypochlorite, if spilled, can be contained on-site and safely handled, eliminating the hazards of liquid chlorine.

Timetable:

FY02Q4: Design
 FY03Q2: Construction

Location:

525 Taylor Street

Status of Project Site:

City Owned

Operating Budget Impact (Overall operating expenses and projected staffing requirements):

Net Increase of \$50,000/year

<i>FY 2003-2008 Program Period Funding:</i>	<i>Funding Outside of Program Period</i>		<i>Total Accumulated Project Cost:</i>
	<i><u>Prior:</u></i>	<i><u>Beyond:</u></i>	
	\$250,000	0	\$1,000,000

Six Year Proposed Funding to be Financed by the City

<i>Activity Name</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>	<i>FY 2007</i>	<i>FY 2008</i>	<i>Program Period Estimate</i>
Construction	\$750,000						\$750,000
Totals	\$750,000						\$750,000

Sources of Funding/Cash Needs

<i>Sources of Funding</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>	<i>FY 2007</i>	<i>FY 2008</i>	<i>Total Funding</i>
G. O Bond	\$375,000	\$375,000					\$750,000
Pay-As-You-Go							
Other							
Totals	\$375,000	\$375,000					\$750,000

Sources of Program Funding FY 2003-2008

Local: 100%

State/Federal:

Project Title: Carbon Filter Replacement
Project Manager(s): Tim Mitchell

Description:
 Replacement of Granulated Activated Carbon (GAC) filters at water treatment plants

Timetable:
 Annually starting FY04

Location:
 Water Filtration Plants

Status of Project Site:
 City Owned

Operating Budget Impact (Overall operating expenses and projected staffing requirements):
 None

<i>FY 2003-2008 Program Period Funding:</i>	<i>Funding Outside of Program Period</i>		<i>Total Accumulated Project Cost:</i>
	<i><u>Prior:</u></i>	<i><u>Beyond:</u></i>	
	Continuing	Continuing	Continuing

Six Year Proposed Funding to be Financed by the City

<i>Activity Name</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>	<i>FY 2007</i>	<i>FY 2008</i>	<i>Program Period Estimate</i>
Construction		\$105,000	\$105,000	\$105,000	\$105,000	\$105,000	\$525,000
Totals		\$105,000	\$105,000	\$105,000	\$105,000	\$105,000	\$525,000

Sources of Funding/Cash Needs

<i>Sources of Funding</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>	<i>FY 2007</i>	<i>FY 2008</i>	<i>Total Funding</i>
G. O Bond		\$52,500	\$105,000	\$105,000	\$105,000	\$105,000	\$472,500
Pay-As-You-Go							
Other							
Totals		\$52,500	\$105,000	\$105,000	\$105,000	\$105,000	\$472,500

Sources of Program Funding FY 2003-2008

Local: 100%

State/Federal:

Project Title: College Hill Water Treatment Plant Improvements
Project Manager(s): Tim Mitchell

Description:

Repair or replacement of controllers, valves, pumps, chemical feed systems, electrical and building systems.

Timetable:

Annually, starting in FY06

Location:

525 Taylor Street

Status of Project Site:

City Owned

Operating Budget Impact (Overall operating expenses and projected staffing requirements):

N/A

FY 2003-2008 Program Period Funding:	Funding Outside of Program Period		Total Accumulated Project Cost:
	<u>Prior:</u>	<u>Beyond:</u>	
	\$250,000	0	\$1,000,000

Six Year Proposed Funding to be Financed by the City

Activity Name	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	Program Period Estimate
City Engineering				\$5,000	\$5,000	\$5,000	\$15,000
Consultant Services				\$15,000	\$15,000	\$15,000	\$45,000
Construction				\$220,000	\$220,000	\$220,000	\$660,000
Contract Administration				\$10,000	\$10,000	\$10,000	\$30,000
Totals				\$250,000	\$250,000	\$250,000	\$750,000

Sources of Funding/Cash Needs

Sources of Funding	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	Total Funding
G. O Bond				\$125,000	\$250,000	\$250,000	\$625,000
Pay-As-You-Go							
Other							
Totals				\$125,000	\$250,000	\$250,000	\$625,000

Sources of Program Funding FY 2003-2008

Local: 100%

State/Federal:

Project Title: Distribution System Improvements
Project Manager(s): Tim Mitchell

Description:

Construction of new water mains, tie-ins, and pump station improvements to improve the distribution of water in various parts of the City.

Timetable:

On an as-needed basis

Location:

Various locations in City

Status of Project Site:

N/A

Operating Budget Impact (Overall operating expenses and projected staffing requirements):

N/A

FY 2003-2008 Program Period Funding:	Funding Outside of Program Period		Total Accumulated Project Cost:
	<u>Prior:</u>	<u>Beyond:</u>	
	Continuing	Continuing	Continuing

Six Year Proposed Funding to be Financed by the City

Activity Name	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	Program Period Estimate
City Engineering	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$180,000
Consultant Services	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$240,000
Construction	\$440,000	\$440,000	\$440,000	\$465,000	\$465,000	\$465,000	\$2,715,000
Inspection	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$180,000
Other	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$360,000
Totals	\$600,000	\$600,000	\$600,000	\$625,000	\$625,000	\$625,000	\$3,675,000

Sources of Funding/Cash Needs

Sources of Funding	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	Total Funding
G. O Bond	\$300,000	\$600,000	\$600,000	\$612,500	\$625,000	\$625,000	\$3,362,500
Pay-As-You-Go							
Other							
Totals	\$300,000	\$600,000	\$600,000	\$612,500	\$625,000	\$625,000	\$3,362,500

Sources of Program Funding FY 2003-2008

Local: 100%

State/Federal:

Project Title: Florida Avenue Pump Station
Project Manager(s): Tim Mitchell

Description:

Finished Water Pumping Station located in the Florida and Campbell Avenue area to meet future demands and fire flows in the Campbell Avenue area of the City as well as the industries in the Mount Athos area of Campbell County.

Timetable:

FY07Q1: Design
 FY08Q1-4: Construction

Location:

To be determined

Status of Project Site:

N/A

Operating Budget Impact (Overall operating expenses and projected staffing requirements):

\$100,000/year

<i>FY 2003-2008 Program Period Funding:</i>	<i>Funding Outside of Program Period</i>		<i>Total Accumulated Project Cost:</i>
	<i><u>Prior:</u></i>	<i><u>Beyond:</u></i>	
	0	0	\$1,700,000

Six Year Proposed Funding to be Financed by the City

<i>Activity Name</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>	<i>FY 2007</i>	<i>FY 2008</i>	<i>Program Period Estimate</i>
City Engineering					\$10,000		\$10,000
Consultant					\$190,000		\$190,000
Construction						\$1,500,000	\$1,500,000
Totals					\$200,000	\$1,500,000	\$1,700,000

Sources of Funding/Cash Needs

<i>Sources of Funding</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>	<i>FY 2007</i>	<i>FY 2008</i>	<i>Total Funding</i>
G. O Bond					\$100,000	\$850,000	\$950,000
Pay-As-You-Go							
Other							
Totals					\$100,000	\$850,000	\$950,000

Sources of Program Funding FY 2003-2008

Local: 100%

State/Federal:

Project Title: Large Water Meter Replacement
Project Manager(s): Tim Mitchell, Joe Dawson

Description:
 Program for replacement of large water meters (3" and over)

Timetable:
 FY3Q2

Location:
 Various

Status of Project Site:
 N/A

Operating Budget Impact (Overall operating expenses and projected staffing requirements):
 To be determined.

<i>FY 2003-2008 Program Period Funding:</i>	<i>Funding Outside of Program Period</i>		<i>Total Accumulated Project Cost:</i>
	<i><u>Prior:</u></i>	<i><u>Beyond:</u></i>	
	\$125,000	0	\$250,000

Six Year Proposed Funding to be Financed by the City

<i>Activity Name</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>	<i>FY 2007</i>	<i>FY 2008</i>	<i>Program Period Estimate</i>
City Engineering	\$2,000						\$2,000
Construction	\$123,000						\$123,000
Totals	\$125,000						\$125,000

Sources of Funding/Cash Needs

<i>Sources of Funding</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>	<i>FY 2007</i>	<i>FY 2008</i>	<i>Total Funding</i>
<i>G. O Bond</i>	\$62,500	\$62,500					\$125,000
<i>Pay-As-You-Go</i>							
<i>Other</i>							
Totals	\$62,500	\$62,500					\$125,000

Sources of Program Funding FY 2003-2008

Local: 100%

State/Federal:

Project Title: Major Distribution System Maintenance
Project Manager(s): Tim Mitchell

Description:
 Repair to water distribution system beyond scope of normal operation capabilities.

Timetable:
 As needed

Location:
 Various location in City

Status of Project Site:
 N/A

Operating Budget Impact (Overall operating expenses and projected staffing requirements):
 N/A

<i>FY 2003-2008 Program Period Funding:</i>	<i>Funding Outside of Program Period</i>		<i>Total Accumulated Project Cost: Continuing</i>
	<i><u>Prior:</u></i> Continuing	<i><u>Beyond:</u></i> Continuing	

Six Year Proposed Funding to be Financed by the City

<i>Activity Name</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>	<i>FY 2007</i>	<i>FY 2008</i>	<i>Program Period Estimate</i>
City Engineering	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$90,000
Construction	\$260,000	\$260,000	\$260,000	\$260,000	\$260,000	\$260,000	\$1,560,000
Totals	\$275,000	\$275,000	\$275,000	\$275,000	\$275,000	\$275,000	\$1,650,000

Sources of Funding/Cash Needs

<i>Sources of Funding</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>	<i>FY 2007</i>	<i>FY 2008</i>	<i>Total Funding</i>
G. O Bond	\$137,500	\$275,000	\$275,000	\$275,000	\$275,000	\$275,000	\$1,512,500
Pay-As-You-Go							
Other							
Totals	\$137,500	\$275,000	\$275,000	\$275,000	\$275,000	\$275,000	\$1,512,500

Sources of Program Funding FY 2003-2008

Local: 100%

State/Federal:

Project Title: Odd Fellows Road Waterline
Project Manager(s): Tim Mitchell

Description:

Extension of Water Distribution system at Odd Fellows Road and Route 460. Approximate length of 1,300 l.f.

Timetable:

FY08Q1: Design
 FY08Q4: Construction

Location:

Odd Fellows Road and Route 460

Status of Project Site:

City/State Owned

Operating Budget Impact (Overall operating expenses and projected staffing requirements):

N/A

<i>FY 2003-2008 Program Period Funding:</i>	<i>Funding Outside of Program Period</i>		<i>Total Accumulated Project Cost:</i>
	<u>Prior:</u>	<u>Beyond:</u>	
	0	0	\$250,000

Six Year Proposed Funding to be Financed by the City

<i>Activity Name</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>	<i>FY 2007</i>	<i>FY 2008</i>	<i>Program Period Estimate</i>
Construction						\$250,000	\$250,000
Totals						\$250,000	\$250,000

Sources of Funding/Cash Needs

<i>Sources of Funding</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>	<i>FY 2007</i>	<i>FY 2008</i>	<i>Total Funding</i>
G. O Bond						\$125,000	\$125,000
Pay-As-You-Go							
Other							
Totals						\$125,000	\$125,000

Sources of Program Funding FY 2003-2008

Local: 100%
State/Federal:

Project Title: Route 460 East Waterline – Division I
Project Manager(s): Tim Mitchell

Description:

Division I of approximately 12,380 feet of sixteen-inch waterline from Candler's Mountain Road to Campbell Avenue/Route 501 paralleling Route 460 Eastbound.

Timetable:

FY02Q4: Design
 FY03Q1-4: Construction

Location:

Route 460 East from Candler's Mountain to Route 501 (Campbell Avenue)

Status of Project Site:

To be determined

Operating Budget Impact (Overall operating expenses and projected staffing requirements):

N/A

<i>FY 2003-2008 Program Period Funding:</i>	<i>Funding Outside of Program Period</i>		<i>Total Accumulated Project Cost:</i>
	<i><u>Prior:</u></i>	<i><u>Beyond:</u></i>	
	\$100,000	0	\$1,600,000

Six Year Proposed Funding to be Financed by the City

<i>Activity Name</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>	<i>FY 2007</i>	<i>FY 2008</i>	<i>Program Period Estimate</i>
City Engineering	\$10,000						\$10,000
Consultant Services	\$40,000						\$40,000
Construction	\$1,450,000						\$1,450,000
Totals	\$1,500,000						\$1,500,000

Sources of Funding/Cash Needs

<i>Sources of Funding</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>	<i>FY 2007</i>	<i>FY 2008</i>	<i>Total Funding</i>
G. O Bond	\$750,000	\$750,000					\$1,500,000
Pay-As-You-Go							
Other							
Totals	\$750,000	\$750,000					\$1,500,000

Sources of Program Funding FY 2003-2008

Local: 100%

State/Federal:

Project Title: Route 460 East Waterline – Division II
Project Manager(s): Tim Mitchell

Description:

Division 2 of approximately 8,600 feet of twenty-four-inch waterline from Campbell Avenue/Route 501 to City/Campbell County Corporate limits.

Timetable:

FY02Q4: Design
 FY03Q1-4: Construction

Location:

Route 460 East from Campbell Avenue/Route 501 to City corporate limits.

Status of Project Site:

To be determined.

Operating Budget Impact (Overall operating expenses and projected staffing requirements):

N/A

<i>FY 2003-2008 Program Period Funding:</i>	<i>Funding Outside of Program Period</i>		<i>Total Accumulated Project Cost:</i>
	<i><u>Prior:</u></i>	<i><u>Beyond:</u></i>	
	0	0	\$1,750,000

Six Year Proposed Funding to be Financed by the City

<i>Activity Name</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>	<i>FY 2007</i>	<i>FY 2008</i>	<i>Program Period Estimate</i>
City Engineering	\$10,000						\$10,000
Consultant Services	\$60,000						\$60,000
Construction	\$1,680,000						\$1,680,000
Totals	\$1,750,000						\$1,750,000

Sources of Funding/Cash Needs

<i>Sources of Funding</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>	<i>FY 2007</i>	<i>FY 2008</i>	<i>Total Funding</i>
G. O Bond	\$875,000	\$875,000					\$1,750,000
Pay-As-You-Go							
Other							
Totals	\$875,000	\$875,000					\$1,750,000

Sources of Program Funding FY 2003-2008

Local: 100%

State/Federal:

Project Title: Water Extensions
Project Manager(s): Tim Mitchell, Lee Newland

Description:

Extension of water lines are requested by petition process. These requests may include existing non-served properties, commercial development and new residential subdivisions. Also for reimbursement of developer costs per City Code.

Timetable:

As needed

Location:

Various location within City

Status of Project Site:

N/A

Operating Budget Impact (Overall operating expenses and projected staffing requirements):

N/A

FY 2003-2008 Program Period Funding:	Funding Outside of Program Period		Total Accumulated Project Cost:
	<u>Prior:</u>	<u>Beyond:</u>	
	Continuing	Continuing	Continuing

Six Year Proposed Funding to be Financed by the City

Activity Name	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	Program Period Estimate
City Engineering	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$90,000
Construction	\$160,000	\$160,000	\$160,000	\$185,000	\$185,000	\$185,000	\$1,035,000
Inspection	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$30,000
Contract Administration	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$30,000
Other	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$90,000
Totals	\$200,000	\$200,000	\$200,000	\$225,000	\$225,000	\$225,000	\$1,275,000

Sources of Funding/Cash Needs

Sources of Funding	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	Total Funding
G. O Bond	\$100,000	\$200,000	\$200,000	\$212,500	\$225,000	\$225,000	\$1,162,500
Pay-As-You-Go							
Other							
Totals	\$100,000	\$200,000	\$200,000	\$212,500	\$225,000	\$225,000	\$1,162,500

Sources of Program Funding FY 2003-2008

Local: 100%

State/Federal:

Project Title: Water Main Replacement
Project Manager(s): Greg Poff

Description:

Replacement of existing small water lines (1", 1-1/2, 2" and 4") located throughout the City with 8-inch diameter water mains.

Timetable:

Improvements to be scheduled in conjunction with street overlays, new project development, replacement of existing waterline facilities and Combined Sewer Separation Projects.

Location:

Various locations in City

Status of Project Site:

City Owned

Operating Budget Impact (Overall operating expenses and projected staffing requirements):

N/A

FY 2003-2008 Program Period Funding:	Funding Outside of Program Period		Total Accumulated Project Cost:
	<u>Prior:</u>	<u>Beyond:</u>	
	Continuing	Continuing	Continuing

Six Year Proposed Funding to be Financed by the City

Activity Name	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	Program Period Estimate
City Engineering	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$180,000
Construction	\$180,000	\$180,000	\$180,000	\$180,000	\$180,000	\$180,000	\$1,080,000
Inspection	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$180,000
Other	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$360,000
Totals	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,800,000

Sources of Funding/Cash Needs

Sources of Funding	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	Total Funding
G. O Bond	\$150,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,650,000
Pay-As-You-Go							
Other							
Totals	\$150,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,650,000

Sources of Program Funding FY 2003-2008

Local: 100%

State/Federal:

Project Title: Water Tank Rehabilitation
Project Manager(s): Tim Mitchell

Description:

Annual program to maintain the City's water storage tanks to Virginia Department of Health Standards.

Timetable:

Annually

Location:

Various locations

Status of Project Site:

City Owned

Operating Budget Impact (Overall operating expenses and projected staffing requirements):

N/A

FY 2003-2008 Program Period Funding:	Funding Outside of Program Period		Total Accumulated Project Cost:
	<u>Prior:</u>	<u>Beyond:</u>	
	Continuing	Continuing	Continuing

Six Year Proposed Funding to be Financed by the City

Activity Name	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	Program Period Estimate
City Engineering	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$60,000
Consultant Services	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$240,000
Construction	\$450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$2,700,000
Totals	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$3,000,000

Sources of Funding/Cash Needs

Sources of Funding	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	Total Funding
G. O Bond	\$250,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,750,000
Pay-As-You-Go							
Other							
Totals	\$250,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,750,000

Sources of Program Funding FY 2003-2008

Local: 100%

State/Federal: